

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997
From: Jay & Jackie <jayboy@psnw.com>
Subject: [19778] Re:
Message-ID: <3.0.1.32.19970516211905.006a4900@mail.psnw.com>

At 08:27 PM 5/16/97 -0700, jenfre@pacificnet.net wrote:

> a lot of internet pollution - like having qsos.

>

> Thank You,

> KI6YN

> Three new QRP rigs, built by yours truly...Great technical help, fun QSO's
and finally a reason to return to CW after years of QRO SSB DX pile ups and
2 meter spotting networks on packett.....I'll take this pollution any day.
Sorry to see you go.

73 Jay, W6JDB

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997
From: Jess Gypin <jessqrp@concentric.net>
Subject: [19788] Re:
Message-ID: <337DA5A7.53AD@concentric.net>

jenfre@pacificnet.net wrote:

>

> Just what do I have to do to get off this list. I thought it would be neat
> to be part of a QRP thing; but this nonsense of 100s of email per day is
> ridiculous. This is worse than citizens band radio. Please remove me from
> the mailing list; I have better things to do than sit here for ten minutes
> to delete a lot of internet pollution - like having qsos.

>

> Thank You,

> KI6YN

Why not look up the QRP-L internet web page and get the information on
how to unsubscribe? A simple request like that would have been better
than slamming over 1000 subscribers. There are people that have been on
this list since the beginning and they do tend to get off topic once in
a while just like all of the other lists. If you want to see some real
junk, just go over the the alt.rec.radio newsgroups. I am sorry that you
feel that way, but I don't think the implied comments were needed..
Sned an Email to: listserv@lehigh.edu. In the body of the text put
unsubscribe qrp-l your name.

I hope that you find qrp operation to be as much fun as I have and you
will find that if you stick around long enough on the list that there is
NO BETTER GROUP OF PEOPLE OR SOURCE OF INFORMATION on QRP that right
here.

Best 72
Jess NOTFI

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [19795] Re:
Message-ID: <337d5b37.146177403@smtp.usit.net>

On Fri, 16 May 1997 20:27:43 -0700 (PDT), jenfre@pacificnet.net
wrote:

>Just what do I have to do to get off this list. I thought it would be =
neat
>to be part of a QRP thing; but this nonsense of 100s of email per day is
>ridiculous. This is worse than citizens band radio. Please remove me =
from
>the mailing list; I have better things to do than sit here for ten =
minutes
>to delete a lot of internet pollution - like having qsos.

You can unsubscribe via the QRP-L web page, or by sending an e-mail
to: listserv@lehigh.edu with the message UNSUBSCRIBE QRP-L as the
body (no signature)

That having been said, the list got me back into radio after a
five-year absence, I built my first rig for \$50 (a 38 special), got
a 16 watt dummy load for 15 stamps, and an all-band vertical for
around \$70. Not to mention lots of Qs through the various operating
activities and contests. And, not to mention a pretty good theory
education from some pretty knowledgeable and friendly people.

You'll be missed.

The list is light for me though -- I am on two other lists, both
religion oriented, that generate 200+ mgs per day each. Thank God
both Pegasus and Agent allow sorting into folders automatically!

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee

e-mail: mdwatt@usit.net
<http://www.public.usit.net/mdwatt>
"The Curmudgeon's Corner"

NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq

~~~~~  
From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Stanley Wilson <microres@crl.com>  
Subject: [19814] Antenna - Counterpoise  
Message-ID: <Pine.SUN.3.91.970517133246.24870A-1000000@crl5.crl.com>

All of the discussion about raising the radials above ground with the vertical has been very interesting.

What happens if a dipole is used with a counterpoise and the counterpoise is raised above ground ?

I have had very good luck with a buried counterpoise, but have not used one that was elevated. If that improves the antenna how high do I need to raise it.

Most of my dipoles have been on city lots and only 20 to 35 ft above the ground. Same for long wires that I have used. 20 to 35 ft is not much at either 80 or 40 meters. I have been able to work WAC on 80 and 40 but as you know a 3 ft antenna at the correct time will work just about any place in the world, while the next day or hour a kw and a beam will not get across the county line.

Since most of hamdom have city lots of 120 ft or less and the utility poles are only about 40 ft. What is the best antenna to use.

I have found it easy to bury wire, install ground rods, etc. But have never had the chance to use a 80 meter dipole that was a half wave above ground. So I have trap verticals, low hanging wires, etc. like just about every one.

So it is summer time for a new 80 to 10 meter antenna including the WARC bands. I have 200 ft of wire some insulators, 100 ft of 450 ohm line, some coax, and a 4:1 balun. I have a space for 140 ft about 28 ft above the ground.

Suggestions - What will give me max signal ?

de stan ak0b

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: wj50@juno.com  
Subject: [19771] CIRCAD  
Message-ID: <19970516.214724.3598.7.WJ50@juno.com>

Someone was hunting URL to download Circad PCB program

<http://capital-elect.com/ftp.html>

Abt 800K  
73 Bill WJ50@juno.com

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: n1pwu@juno.com (Robert K Berlyn)  
Subject: [19765] Circad 3.7/PCB Layout  
Message-ID: <19970516.190256.14974.1.N1PWU@juno.com>

Stan, and all:

I got my copy of the Circad demo off of Compuserve, in the Ham forum. I am sure you can get on AOL to. In the Ham Radio forum.

I can not remember where a URL is that might have it. Although I am sure there is one around.

I'm going on vacation first thing in the morning and will be gone for a week. As soon as I get back I look into it and let you know.

N1PWU QRP-L # 161 NE-QRP # 226  
East Greenwich, RI  
[HTTP://www.businesson.com/HAMPARTS](http://www.businesson.com/HAMPARTS)

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
Subject: [19780] Dayton FDIM pictures  
Message-ID: <v03020901afa2f0e19249@[129.37.208.167]>

I've posted some preliminary pictures from the QRP ARCI Hospitality Room at the following URL:

<<http://qrp.cc.nd.edu/qrp-l/dayton/>>

More to come.

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Steve Hideg, N8HSC/9 QRP-L #136  
Check out the Internet QRP Club's site on the WorldWide Web:  
<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>  
Subject: [19779] DX On \*\*NOW\*\* = P40J  
Message-ID: <970517042511\_70511.3041\_IHD15-1@CompuServe.COM>

Gang:

Just worked P40J at 589 into Rochester, MN. He gave me a 559. He is about 10.105. My gear tonite = HW-9 at 4 watts into TNT/2 Windom at 29'.

Anyway....Go get him, everyone. BTW he was only exchanging RST, and at about 28 WPM.

Gud luck es 72/73,  
--Doc/K0EVZ qrp-1 861 mn-qrp 19 norcal 2050 cqc 414 nj-qrp 69 ak/qrp 139

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Russ Carpenter <russ@natworld.com>  
Subject: [19804] First Announcement for the JUNE SPARTAN SPRINT  
Message-ID: <199705171543.LAA56671@nss2.CC.Lehigh.EDU>

The June Spartan Sprint will be held on June 2 (which is our standard date--the first monday of the month). We'll operate on two bands--40 and 20. DON'T WORRY IF YOUR STATION IS A BIT TUBBY. WE COMMEND THE WINNERS IN TWO CATEGORIES--POINTS, AND POINTS PER POUND.

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EDT, 8:00 CDT, 7:00 MDT and 6:00 PDT.  
Finish at 11:00 PM EDT, 10:00 CDT, 9:00 MDT and 8:00 PDT.

2. The frequencies will be 7040+- KHz and 14,060+- KHz. (You may operate one or two bands--your choice.)
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. You can take credit for working the same station on a second band.
6. To encourage QRPers to discover that there is life outside 40 meters, we'll give double points for contacts on 20 meters.

After the contest, send Russ Carpenter, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. If you get that information to Russ by Tuesday night, he will include your data in the contest results, which will be published on Thursday on the ARS web site and the QRP-L. Russ' email address is russ@natworld.com.

As an alternative, you can use our automated Spartan Sprint report at the ARS web site. Just fill in a few boxes, click the "submit" button, and you're done! You can get directly to the report page with this URL: [http://www.natworld.com/ars/events/spartan/submit\\_spartan.html](http://www.natworld.com/ars/events/spartan/submit_spartan.html). Or you can take a more leisurely (and rewarding) stroll through the ARS site by going to the home page at <http://www.natworld.com/ars>.

\*\*\*\*\*

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

<P>

ARS provides handsome certificates to the operators who achieve the top two scores in points, and points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing

your interest. Richard's e-mail address is KI6SN@juno.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

72, Russ Carpenter, AA7QU, Contest Manager  
russ@natworld.com

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Scott Thomas <n1st@ntplx.net>  
Subject: [19793] FW: [TowerTalk] Autek RF-1 - Determing R +/- jX  
Message-ID: <01BC62A7.1860F880@pc6651.hsd.utc.com>

This is an answer to a question from a different list, but probably of interest to some here on qrp-l.

>From the Autek RF-1 manual...

$x = \sqrt{z^2 - r^2}$   
 $r = ((2500 + z^2) * (SWR)) / (50 * ((SWR^2) + 1))$

Notes:

sign of x is negative (capacitive) if z decreases when the freq increases.

r= ... formula requires swr between 1.2 and 6:1.

Ratio of r to x should be between .2 and 5 for the formula to result in an accurate number.

-----  
From: Ian White, G3SEK  
Sent: Friday, May 16, 1997 3:18 AM  
Subject: [TowerTalk] Autek RF-1

According to QST for September 1996, the recent version of the Autek instruction manual gives a formula on Page 10 for determining R +/- jX, which isn't in my older manual.

Please could somebody let me know the details?

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Lynn Geitgey <Lgeitgey@kumc.edu>  
Subject: [19776] Fwd: Circad 3.7/PCB Layout

Message-ID: <s37ce784.006@kumc.edu>

This is a MIME message. If you are reading this text, you may want to consider changing to a mail reader or gateway that understands how to properly handle MIME multipart messages.

--=\_CF9D8CC4.CFAEC0BF  
Content-Type: text/plain  
Content-Disposition: inline

Hi Gang...

The CirCad Demo software can be downloaded directly from:

<http://www.holophase.com/>

I just d/l'd several minutes ago.

73 de KB0LRB

Lynn Geitgey  
Computer Operations Supervisor  
University of Kansas Medical Center  
Voice 913-588-4850 Fax 913-588-4810  
lgeitgey@kumc.edu

--=\_CF9D8CC4.CFAEC0BF  
Content-Type: message/rfc822

Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id <34989-37468>; Fri, 16 May 1997 21:17:23 -0400  
Received: from nss2.CC.Lehigh.EDU ([128.180.1.26]) by fidoii.cc.Lehigh.EDU with ESMTP id <34900-23386>; Fri, 16 May 1997 21:16:35 -0400  
Received: from x14.boston.juno.com (x14.boston.juno.com [205.231.101.27]) by nss2.CC.Lehigh.EDU (8.8.5/8.8.5) with ESMTP id VAA130658 for <QRP-L@Lehigh.EDU>; Fri, 16 May 1997 21:16:29 -0400  
Received: (from n1pwu@juno.com) by x14.boston.juno.com (queuemail) id VoN08596; Fri, 16 May 1997 21:14:11 EDT  
Message-Id: <19970516.190256.14974.1.N1PWU@juno.com>  
Reply-To: n1pwu@juno.com  
Sender: owner-qrp-l@Lehigh.EDU  
Precedence: bulk  
References: <Pine.SUN.3.91.970515063355.27125A-100000@crl6.crl.com>  
X-To: microres@crl.com, QRP-L@Lehigh.EDU  
X-Mailer: Juno 1.15  
X-Juno-Line-Breaks: 0-1,3-4,6-7,9-16  
X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN  
From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997



From: "Carol N. Wright" <cnw@HiWAAAY.net>  
Subject: [19812] Hickok Model 380?  
Message-ID: <Pine.OSF.3.94.970517141752.28041A-100000@fly.HiWAAAY.net>

Hey Gang,  
I just picked up a Hickok Model 380 autoranging frequ. counter. I got it for \$10, not bad I don't think. What do these cost new, when they did sell them or if they still sell them. What is the going price for used ones? It has a couple of scratches but what more can I ask for , \$10.

So, what I'd like to know also is what can I expect from this frequ. counter? Can I use it for other functions besides as a frequ. counter? What are the best ways to hook this counter up to a rig for frequ. measurements and other things? This is my first frequ. counter, so I'll need some help, I have the manual.

Thanks, Best 72/73 DE Matt, AE4JM

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: john williams <ac6ts@n2.net>  
Subject: [19808] HW-8 RIT info needed  
Message-ID: <199705171835.LAA03782@ravel.n2.net>

I own a HW-8 and would like to install a RIT. If any one out there could tell me how or where i can find out, i'd appreciate it. It's a fun little rig in my mobile {need all the help i can get on rx}. thank you  
john williams  
ac6ts@n2.net

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Martin\_Peters@mon.bbc.co.uk  
Subject: [19784] Joining NorCal from UK  
Message-ID: <D6AF2D3301C23A0C@-SMF->

Greetings all,

I'm wondering if NorCal have a UK rep (as I understand the GQRP club has in the States) as I would love to join but as they don't take VISA etc, I'm not sure how to go about getting the money to them.

Also would like to obtain back issues of their QRP mag but the overseas postage bumps up the price somewhat. Is there a UK agent with copies to sell?

Any help appreciated,

Martin G4EFE/GQRP 1176

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: aa4xx@juno.com (Paul T Stroud)  
Subject: [19796] Knightlites Roundtable  
Message-ID: <19970517.101123.10142.0.aa4xx@juno.com>

Hi Gang,

80M has shown definite signs of improvement over the last few weeks. This past Sunday night (May 11th) we heard from a number of folks, including:

|             |        |      |                                                                           |
|-------------|--------|------|---------------------------------------------------------------------------|
| K1CL        | Chuck  | 439  | 4W                                                                        |
| K4NK        | Les    | 599+ | New twin slopers on 80M firing West                                       |
| K2SJB       | Dave   | 569  | 5W                                                                        |
| K4WZ        | Ron    | 589  | QRP+                                                                      |
| N1QQV       | Ken    | 559  | Reporting heavy QRN                                                       |
| WB0CLD      | Bill   | 579  | Reporting storm related QRN                                               |
| N5BI        | Gary   | 579  | "Power abt 2W. Ant is dipole fed with 450 ohm ladderline."                |
| AE4IC       | Bob    | 599  | "Running 2W tonight. Been chasing DX on 30M."                             |
| N3GO        | Gary   | 599  | 2.5W "Got my first contact with my 49'er last night with a dead battery!" |
|             |        |      | Still worked FB-HI!"                                                      |
| N4ELM       | Dave   | 339  | 35mW "Running 35 mW to homebrew TX." Nice job, Dave!!                     |
| KF2PH       | Nick   | 599  | "It's amazing what running 5W will do for a good RST--HI"                 |
| AC4QX       | Lauren | 339  | "Running my attic dipole tonight"                                         |
| VE3SP       | Ron    | 449  | "Running 5W to my Butternut vertical"                                     |
| WA8LCZ      | Byron  | 449  | "Running 5W into my GAP vertical tonight"                                 |
| WD4MSM      | Barry  | 439  | "QRP greetings from South Bend. Enjoy listening to the net."              |
| AA4XX/WQ4RP | Paul   | NCS  | Running 5W into 80M OCF dipole fed with 450 ladderline                    |

KK6MC/5 in NM tried to make it in, but conditions just weren't there. Thanks for the effort, Jim!

The KnightLites' Roundtable is open to all amateurs, QRO or QRP. We meet each Sunday night (local time) on 3686.4 KHz. We would enjoy hearing from you. The net begins at 0130Z, or 9:30PM EDT.

We receive occasional inquiries as to how one becomes a "Knight." Membership is free and open to all hams. We have members in many states and a few foreign countries. For more information, you may contact Dave Johnson, WA4NID@amsat.org.

72,

Paul Stroud, AA4XX      Raleigh, NC

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>  
Subject: [19792] Latest web site additions...  
Message-ID: <863874313.1123147.0@gqrpclub.demon.co.uk>

At last! The Cobwebb (yes spelled right) HF antenna  
<http://www.gqrpclub.demon.co.uk/cobweb.htm>

The Random Wire Vertical (thanks to NF0R)  
<http://www.gqrpclub.demon.co.uk/rwv.htm>

Frank G3YCC  
QRP Web Site: <http://www.gqrpclub.demon.co.uk>

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: John Yarbrough <jyarbro@radia1.com>  
Subject: [19794] Let Him Go Quietly into the Night  
Message-ID: <1.5.4.32.19970517140106.00c5a7fc@radia1.com>

About the fellow who was so dissatisfied about this list:

Let him go quietly into the night. Nothing we say will change his mind. It's like my ol' daddy used to say: "Never try to teach a pig to sing. You won't be able to do it, and all it does is annoy the pig."

Cheers es Beers, John KR4RO

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Steve Galchutt <N0TU@webaccess.net>  
Subject: [19774] List is slow and quiet = DAYTON  
Message-ID: <337D21B5.615F@WebAccess.Net>

I imagine most of the gang must be having too much fun in Ohio!

Seems quiet.....Steve/N0TU

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: timcook@erinet.com  
Subject: [19789] Lost Email...  
Message-ID: <337DA946.460A@erinet.com>

My ISP mail server went down, and I missed all email from about noon on  
Fri until early this morning. If anyone sent email to me please resend..  
thanks

Tim  
NZ8J

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: "Thomas J. Whalen" <whalen@swcp.com>  
Subject: [19811] MORE QRP MAIL!!  
Message-ID: <Pine.SUN.3.91.970517130704.11261A-1000000@kitsune.swcp.com>

Who is this fellow that is complaining about 100 pieces of mail?? Each to  
his own, but I,m upset if I have less than 100 pieces of this great QRP  
stuff!! First thing I do when I get up after working 12 hrs is to get on  
QRP-L. Looking through all the neat pieces of mail wakes me up! Am I  
sick? I just want to say "Thank you" to all that have helped me on this  
list and I really enjoy this group. 72, Tom WB5QYT

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: kd7s@psnw.com (Bill Jones)  
Subject: [19807] Need Tower Installation Advice  
Message-ID: <199705171646.JAA27133@sierra.psnw.com>

Friends,

After forty-two years of ham radio I finally got my first tower. It is used and consists of seven, 6-foot sections. It is triangular, made of aluminum and measures approximately eleven inches per side. I intend to mount it next to my single-story house with the first section bracketed to the eaves. I will run a pair of guys to each adjacent corner of the roof and a single set of guys to an 8-foot 4X4 on the back side of the yard. Although I'm not sure exactly what kind of antenna will eventually end up on the tower, (open to suggestions) I'm leaning toward a small tri-bander (does Mosley still make the TA-33 Jr?) or a 20-meter X-BEAM. My question is how many sets of guys should I use above the roofline. Also, how big should I make a concrete base to support the hinged baseplate? We don't get any ice or snow in the winter (this *\*is\** central California, you know) and we rarely get any high winds. Safety is my paramount concern followed closely by economy. Any advice from you tower experts out there would be sincerely appreciated.

=====  
Bill Jones - KD7S <><  
Sanger, California  
Reply to kd7s@psnw.com  
=====

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: RobCap@aol.com  
Subject: [19785] Rainbow Tuner on 20 Meters  
Message-ID: <970517074838\_-962678616@emout14.mail.aol.com>

Hi Folks-

I'm getting ready to start building my Rainbow Tuner, and plan to optimize it for 20 meters. The user's guide has suggestions for 20 meters, but I was wondering if anybody on QRP-L has actually tried building it for 20 meters, and could suggest parts values and other experience with the kit.

Please send responses directly to: "Robcap@aol.com".

73,

Rob, W3DX

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: astone@erols.com  
Subject: [19805] Reqeust for QEX PA0KSB Stabilization Article

Message-ID: <337E0338.612F@erols.com>

Does someone have a copy of this article: "Frequency Stabilization of L-C Oscillators" by Klaas Spaargaren? I believe it was in the Feb. 96 issue of QEX. I'll certainly reimburse for copying and mailing costs. Thanks.

72,

Ron (KA3J)

Bethesda, MD

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Alan Kaul <kaul@netcom.com>  
Subject: [19810] rod blanks for SLV  
Message-ID: <Pine.3.89.9705171108.A15551-0100000@netcom22>

Forgive me for coming to the party late, but after reading all the glowing reports on operations using the SLV, I've decided to join! I made several calls yesterday to sporting goods stores in the LA area, and couldn't find the BLACK WIDOW or comparable rod blanks. Does anyone know where they can be ordered via telephone/mail/credit card? Or even where I might find one in the Burbank, Glendale, Pasadena area of Southern California?

Please and thanks, and keep them testimonials coming!

73/72 de alan

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>  
Subject: [19806] Sending DX spots to the mailing list (was RE: DX On \*\*NOW\*\* = P40J)  
Message-ID: <Roam.SIMC.2.0.6.863887080.1743.myers@bigboy>

> Scott:

>

> Guess I \*also\* hope someone will speak up about the QTH of the DX! When  
> I work someone like this, I rush to the list to tell everyone about the  
> guy being on there. Later I try to find out more about his QTH, etc.

> Seems to me the biggest thing is speed, at that particular moment.

Well, speed probably isn't all that important when sending something of timevalue to a mailing list. Unless most list members are always connected to the net, watching their mailbox, it may be hours or days before the DX report is seen. While most of net is well connected and we've become used to 3 minute mail transit times, that just isn't always the case, either.

I personally think sending items of short-term time importance to the list isn't an effective use of the list, which is why I don't do it. However, I'm not complaining and happily delete all the "VX79P is on right NOW" messages without issue. Just some food for thought...

Dana K6JQ  
Dana@Source.Net

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Jay & Jackie <jayboy@psnw.com>  
Subject: [19777] SLV/MMA Responses  
Message-ID: <3.0.1.32.19970516210735.006a45e8@mail.psnw.com>

Wow:

Thanks for all the response regarding my high SWR w/o radials...By the count, I must have asked the dumbest question in the last 6 months...That is except for the responses to the guy who had the gall to try and sell a vertical that has used up all it's QSO's!

Hope to have time Sunday to set up with the radials...(Sorry, tennis takes precedence on Sat)...Will post the results.

Thanks again for all the suggestions.

Jay, W6JDB Madera, Ca

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [19801] SLV/MMA Responses  
Message-ID: <8D8015D.0004002F18.uuout@cheaha.com>

-> Thanks for all the response regarding my high SWR w/o radials...By  
-> the count, I must have asked the dumbest question in the last 6  
-> months...That is except for the responses to the guy who had the gall

-> to try and sell a vertical that has used up all it's QSO's!

Hmm, sounds like a possible contest here and I don't wanta be left out! Don't forget my posting a while back stating that I wanted to by a "tube-type" HW-8 or HW-9!!! That oughta get me in the running for win, place, or show! :)

72/73

Ed Welch KF4KRV

NorCal Member #??? / 1st Grand Poobah ScQRPion of Alabama

QRP-L #873 / FISTS #2964

Luverne, Alabama : Crenshaw County - Grid EM61

PIPELINE BUNGY, Skippers Canyon, NZ

AAAALLRRRIIIIIIGGGHHHHHTTTTTTTTT!!!!!!

```
+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
                >   Isn't "time" a 4-letter word?   <
```

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997

From: NO OTHER THAN <mitch96@idt.net>

Subject: [19791] sorry to see you go

Message-ID: <337DABD6.40FE@mail.idt.net>

re:

ki6yn,

what a great bunch of people that frequent this reflector!! i love this place! a wide and varied bunch of hams with wide and varied intrestes. both ends of the spectrum reside here. all bring joy to this website, some when they come and some when they go. thanks for the spam, but no thanks, im a "ham-a-tarian". i think i will stay and see what pops up tomorrow.

mitch n4jbw

qrp-l#1094 fist#3206

Just what do I have to do to get off this list. I thought it would be neat

to be part of a QRP thing; but this nonsense of 100s of email per day is ridiculous. This is worse than citizens band radio. Please remove me from

the mailing list; I have better things to do than sit here for ten minutes

to delete a lot of internet pollution - like having qso s.

Thank You,



KI6YN

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997

From: ji3m@maxwell.com (James R. Duffey)

Subject: [19813] St. Louis (Vertical) Blues, Vertical Monopoles, Efficiencies, and Ground Losses

Message-ID: <v02130504afa24a2142fe@[192.31.66.229]>

Cecil - I always read your posts and have learned a great deal about feeding dipoles with tuned feeders from them. I also admire your efforts to resuscitate (at least at HF) the art and science of matching impedances using transmission lines both as lumped components and as transformers.

I feel the need to expand on your comments on vertical monopoles though. I have waited for an ardent vertical fan, or St. Louis Vertical (SLV) fan in particular, to comment on your post, but none have come forward. I am not a "religious" vertical fan, but they have their places and I don't think they deserve the bad press they often get. You didn't shatter my religious beliefs, but I do think that your discussion of antenna efficiency and feedpoint impedances is a bit muddy, if not misleading or wrong in some places.

In particular, I would like to expand on the crux of your post;

"IMO, the efficiency of the original (twinlead everywhere) SLV is less than 10%. It is very difficult to get the efficiency of a monopole above 50%. Reason? A monopole is essentially a dipole with one pole stuck in the ground. The impedance of a dipole in free space is about 2 times 36 ohms so it is difficult to get the feedpoint impedance of a monopole up to 50 ohms unless there are severe series losses in the system."

Well you have a lot of concepts and statements intertwined up in one paragraph. I will try to separate them. The fact that a monopole has half the radiation resistance (you say feedpoint impedance, but I think you actually want to talk about radiation resistance when you discuss efficiency) of the dipole does not imply that the efficiency must be 50%. The efficiency is driven by the losses in the system, not the radiation impedance solely. That is, if there were no losses the efficiency would be 100%. Also the feedpoint impedance can be raised up to 50 Ohms easily without the severe series resistance losses you refer to with any one of a number of easily implemented matching techniques; an L network, a transformer transmission line section made from the appropriate impedance coaxial cable, or an unbalanced to unbalanced transformer. If these are done properly they can result in a 50 Ohm low loss feedpoint for a vertical monopole.

Efficiency is something that can be readily calculated from measured or presumed parameters. We don't need to have "opinions" about it.

The radiation efficiency is defined as;

$$\text{Efficiency} = \frac{\text{Radiation Resistance}}{\text{Radiation Resistance} + \text{Loss Resistance}}$$

This is the radiation efficiency since it includes resistive losses in the immediate vicinity of the antenna. These are losses in power delivered to the antenna feedpoint that never get radiated. I believe that this is the "efficiency" that you discuss.

Before we go to the SLV, let us look at a quarter wave monopole constructed with good practices and fed against 4 radials lying on the ground. A ground system made of 4 0.25 wavelength radials will have a ground resistance of 25 Ohms or so. A quarter wave monopole has a radiation resistance of 36 ohms. If constructed from metal with a diameter larger than 12 gauge wire it will have a resistive loss of less than an Ohm. The efficiency will be 58% from the above formula which is above the 50% which you imply is very difficult to achieve. I don't think the monopole I have used for an example is difficult to implement. Now 58% is not great efficiency, but it does illustrate that 50% is not as difficult a value to reach as you have stated it is.

On to the SLV;

"It would be interesting if someone could do side-glance comparisons of the first SLV, the improved SLV, an elevated SLV, and a dipole at a decent height."

Your "opinion" of less than 10% seemed low to me so I thought I would take a try at calculating it.

"Antennas and Techniques for Low band DXing" by DeVoldere, ON4UN, is an excellent source of information on ground losses, the properties of radial grounds, and vertical antennas.

Efficiency for the original SLV configuration will now be calculated. The SLV at 20 feet high is electrically 54 degrees tall. A monopole of this height has a radiation resistance according to DeVoldere of about 10 Ohms. There is 51 feet of twin lead used in the coil. The Radio Shack twin lead has 24 gauge conductors. The resistance of 24 gauge wire at 7 MHz is 8 Ohms per half wavelength. Thus the resistance of the coil is 6.2 Ohms. The upper portion of the antenna, 16 ft long is made also made from Twinlead and has a resistance of 2 Ohms. However the two wires are connected in parallel so the equivalent resistance is halved and is 1 Ohm. The total resistive losses associated with the original SLV antenna are 7.2 Ohms.

It should be no surprise that the largest resistive losses are associated with the ground. For 4 "buried radials" 0.25 wavelengths long a value can be extrapolated from data given by DeVoldere to give a loss resistance of 25 Ohms for 4 radials.

Thus the total losses for the Original SLV operated over a 4 radial ground are 32.2 Ohms. The efficiency is then;

$$\text{efficiency} = 10 \text{ Ohms} / (10 \text{ Ohms} + 7.2 \text{ Ohms} + 25 \text{ Ohms}) = 24\%$$

Now 24% is great, but it is 3.5 dB or so better than "less than 10%".

Well, there are numerous improvements over the original SLV which have been done. The first was suggested by Grover, WT6P, and involves making the coil with 26.2 feet of twinlead rather than the 51 feet. 51 feet in the coil will make the antenna appear to be half wave resonant, but there is no advantage loss wise (and some disadvantage) over having it be electrically a quarter wavelength long. The coil loss resistance is now reduced to 3.25 Ohms, for a total antenna loss resistance of 4.25 Ohms and an efficiency of 26 %.

Replacing the twin lead with a coil made from larger diameter wire elevated at 5 1/2 feet such as suggested by W6MMA, results in an increased radiation resistance of 14 Ohms since the antenna is no longer loaded at the base, and a decreased coil loss resistance to 0.5 Ohms or so for a coil made from 16 ga wire. This results in total antenna losses with the same upper lead wire of 1.5 Ohms. The total efficiency with four radials on the ground is then about 35%.

This is still not great. Changing the drop wire to a larger diameter will help, but by less than a percent.

What about other wavelengths? You didn't specify which wavelength your 10 % applied to, but it is easily bettered at the higher wavelengths where the antenna approaches or exceeds a quarter wave high. 40 M is the worst case. On 30 M the antenna is only slightly less than a quarter wavelength long at 20 feet high, 0.2 wavelength, or 73 electrical degrees. The radiation resistance will be 19 Ohms for the original SLV and 21 for the W6MMA version. Ground resistance will be about 24 ohms. Efficiency is better at 40% for the original SLV and 45% for the MMA version.

On 20 M the antenna is 0.3 wavelengths long and has a radiation efficiency of 55 Ohms or so. The efficiency will grow to 70% on 20M. This will be 1.5 dB down from a 100% efficient antenna. This, I think is a reasonable efficiency. There is still room for improvement, but for a lightweight, easy to erect antenna, it is probably a favorable trade. The radiation efficiency will grow as the frequency grows.

The ground losses clearly dominate and something must be done to reduce them to acceptable levels. More radials or elevating the feed point will lower the loss resistance. Going to 15 radials will lower the ground resistance to 15 Ohms. With the W6MMA configuration the efficiency will then rise to 46%. This is a steep hill to climb as going to 30 Radials only increases the efficiency to 50%. Also this large number of radials defeats the purpose of portability. Speaking of numbers of radials, I can't let your statement;

"Less than 100 radials is suboptimal."

pass without comment as it perpetuates a common myth of hamdom. Again it depends on what is optimal and suboptimal, but Doty, in Antenna Compendium 5, shows for a ground mounted 80 M vertical over buried quarter wave radials, that 16 quarter wave radials are only 0.91 dB down on the same antenna over 120 similarly constructed radials. Takeoff angle and half power beamwidth are identical for the two cases. By the way, he shows that 4 buried radials are about 2.5 dB down on the 120 radial case. The reader may wish to calculate, as an exercise, the cost per dB of adding the additional radials.

You make an excellent point for vertical users;

"If you really want to get the efficiency up on a monopole, raise the vertical up away from the ground and use elevated radials."

Elevating the feedpoint as you suggest will significantly reduce losses. Doty, in Antenna Compendium 5, shows that with 4 radials 5 ft above the ground a quarter wave 80 M monopole is down less than a 0.5 dB from a vertical mounted on the ground over 120 0.25 wavelength radials. This implies ground losses of 3 ohms or so for a SLV raised 2.5 ft to 5 ft above the ground on 40M. Efficeincies are then 58% for the original SLV and 76% for the MMA improved version. The MMA version is 1.2 dB down from a perfect antenna.

You don't need to raise the radials this high, Moxon shows data in Antenna Compendium 3 that the ground resistance of 2 quarter wave radials on 20 M raised 10 inches above the ground is 13 Ohms. With this configuration the efficiency on 20 M would be near 80% for the MMA antenna which is a dB down on a perfectly efficient antenna. The MMA modification includes a ground spike and mounting kit which raises the radial connection point about 8 inches or so above the ground. Since this is a PVC pipe it could be easily lengthened a bit. If the far ends of the radials are supported by tent stakes, reasonably low ground losses should be realizable.

I think that both these efficiency figures are acceptable; surely for a portable antenna if not for a home based one.

Well what about your dipole? Lets start at a common point; use the same

materials to make the dipole as we did to make the SLV and support it with the SD-20 fiberglass pole. The parallelled twinlead will have a resistance of 4 Ohms. End insulators can be arranged to have negligible losses. The radiation resistance of a dipole 20 ft above ground will be about 48 Ohms. The total efficiency will then be about 92%, or about 0.4 dB down on a perfect radiator. We should add feeder losses to get the feed point of the dipole to the same point it is with the SLV. That will add a nother 0.25 dB or so. Total losses are 0.65 dB for a "equivalent radiation efficiency" of 87%.

As far as efficiency goes, the dipole is a clear winner at 40 M; it is probably a wash at higher frequencies if the SLV is used over an elevated ground.

I have not talked about the "far field efficiency". This efficiency will include losses in the ground from power radiated on them by an antenna and not rereflected. This will vary for both angle of incidence and polarization. This discussion is already long, so I will not discuss the issues in detail. Suffice it to say, this loss in reflection will reduce the low angle radiation of the vertical and increase the high angle radiation of the dipole. In general, the vertical will suffer more from these losses than the dipole. Also the vertical will likely have more radiation at lower angles than the dipole.

In summary the SLV in its improved form is a viable antenna for portable locations or temporary use. It is best on 30 M and higher, but can be used for casual operation on 40 M. Thus a backpacker might use it on 20 M during the day for DX, shift to 30 M at dusk. During the evening hours he can star gaze and perhaps use the SLV to make a few casual contacts to alleviate the boredom.

It is also a viable fixed location antenna for someone with space limitations, particularly if they have a fence or wall to mount the antenna on. Getting it up the 4 or 5 feet the fence provides and using 2 to 4 radials per band will result in a reasonable antenna from 30 M to 10 M with 40 M available for casual operating. If the antenna is used in a fixed location I would look into adding 2 feet or so to make it a 5/8 wave on 10 M. This will raise the radiation resistance on all bands increasing the efficiency on the lower bands. Heights above 22 feet will improve low band operation, but result in substantial higher angle radiation on 10 M.

This has grown too long and I apologies to you for the long post. There was lots to comment on and I could still go on and on. - Duffey KK6MC

James R Duffey KK6MC/5 DM65  
30 Casa Loma Road  
Cedar Crest, NM 87008

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Scott Bauer <ke3nv@erols.com>  
Subject: [19782] swr problems with tvi filter  
Message-ID: <199705170705.DAA13326@smtp2.erols.com>

Hello Group,

I wonder if anyone can help me with this one ??

I have been having some SWR problems with my antenna and through the process of elimination, I have noticed that my B&W TVI filter raises my SWR on 30 and 40 meters with no change on 20, 17, 15, ect.

When I bypass the filter, I have 1 to 1 SWR on 30 and 40. With the filter in line, I get 1.5 to 1 SWR that spikes very rapidly to a much higher reading. This is very confusing to me as there is no noticable difference on the higher bands.

The antenna is a Mosley vertical with 32 radials on the roof of my house.

Any ideas will be very helpful.

thank you,

72&73 de Scott Bauer W3CV, Odenton, MD. grid FM19. Formerly KE3NV  
Fists 1502 QRP Nut SWL Truck Pilot ARRL  
Current QRP rigs: Green MTN 15 & 17, HW-8, G-QRP GQ-40  
S&S Eng ARK-20, ARK-30, ARK-40, TAC1-80. Emtech NW-8030  
49er 38 special at 300mw  
visit my web page at <http://www.erols.com/ke3nv/>

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [19800] unsubscribing....  
Message-ID: <8D8016A.0004002F19.uuout@cheaha.com>

-> Just what do I have to do to get off this list. I thought it would  
-> be neat to be part of a QRP thing; but this nonsense of 100s of email  
-> per day is ridiculous. This is worse than citizens band radio.  
-> Please remove me from the mailing list; I have better things to do  
-> than sit here for ten minutes to delete a lot of internet pollution -  
-> like having qsos.

Hmmm, funny but I must be missing some mail...not quiet getting that much mail. Sorry about it not working out for you, but you're welcome back at any time! Here's the instructions.....

Mail the unsubscribe message to listserv@lehigh.edu. No subject or either enter X if your system requires a subject. In the body of the message (start on the first line) type.....

UNSUBSCRIBE QRP-L

That oughta do it. Take care.

72/73

Ed Welch KF4KRV

NorCal Member #??? / 1st Grand Poobah ScQRPion of Alabama

QRP-L #873 / FISTS #2964

Luverne, Alabama : Crenshaw County - Grid EM61

PIPELINE BUNGY, Skippers Canyon, NZ

AAAAALLRRRIIIIIIGGGHHHHHTTTTTTTT!!!!!!

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+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
                >   Isn't "time" a 4-letter word?   <
```

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997

From: RobCap@aol.com

Subject: [19786] Wanted: Unbuilt Heathkits

Message-ID: <970517075053\_1391241385@emout15.mail.aol.com>

Just a reminder that I'm always on the lookout for unassembled/unbuilt Heathkits.

Especially looking for transceivers such as the HW-100, HW101, SB-100, SB-101, SB-104, HW-99, HW-8, HW-9, HW-5400, etc. Also looking for unbuilt amateur accessories and other kits such as the weather station, Hero robot, and "Most

Accurate Clock".

Please send info and pricing to: "Robcap@aol.com", or telephone (804) 971-6812.

73,

Rob, W3DX

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Stanley Wilson <microres@crl.com>  
Subject: [19773] Working qrp-l list on qrp  
Message-ID: <Pine.SUN.3.91.970516200230.23766C-100000@crl3.crl.com>

I have worked several members of the list on 7040. What is really interesting is the number of list members that run qrp mobile on the way home from work every evening. So watch those cq's and /m and /qrp around 7040 every evening between 4 and 6 pm.

The big surprise is when one comes back with your name before you send it. hi Some of the fellows keep a list of qrp-l members with the qrp mobile log.

73, de stan ak0b

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Robert K Berlyn <n1pwu@juno.com>  
Subject: Circad 3.7/PCB Layout

Stan, and all:

I got my copy of the Circad demo off of Compuserve, in the Ham forum. I am sure you can get on AOL to. In the Ham Radio forum.

I can not remember where a URL is that might have it. Although I am sure there is one around.

I'm going on vacation first thing in the morning and will be gone for a week. As soon as I get back I look into it and let you know.

N1PWU                      QRP-L # 161                      NE-QRP # 226  
East Greenwich, RI  
[HTTP://www.businesson.com/HAMPARTS](http://www.businesson.com/HAMPARTS)

--=\_CF9D8CC4.CFAEC0BF--



From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Bill Myers <bjmyers@arc.net>  
Subject: [19802] Re: Dayton FDIM pictures  
Message-ID: <1.5.4.16.19970517101035.08c71768@mail.arc.net>

At 12:23 AM 5/17/97 -0500, Steve Hideg wrote:  
>I've posted some preliminary pictures from the QRP ARCI Hospitality Room at  
>the following URL:  
>  
> <<http://qrp.cc.nd.edu/qrp-1/dayton/>>  
>  
>More to come.

Steve...

Thanks for the EXCELLENT pictures, many familiar faces there.

Makes me even sorrier that I couldn't make it this year.

And even MORE determined to make it NEXT year.

Looking forward to MORE PICTURES!

72/73

--

Bill Myers KK4KF Grid - EM60rk  
FISTS#2390 QRP-L#755 ARCI#9282 scQRPions#42  
CQC#386 NE#508 AK/QRP#081  
Snail Mail P. O. Box 178 Shalimar, FL 32579  
e-mail <bjmyers@arc.net>  
homepage <http://www.nfds.net/~bmyers/>  
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE  
<http://n9nvv.qrp.com/~fists> (That's N 9 N V V)

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: "Wilford D. Lindsey" <70511.3041@CompuServe.COM>  
Subject: [19787] RE: DX On \*\*NOW\*\* = P40J  
Message-ID: <970517121354\_70511.3041\_IHD49-1@CompuServe.COM>

Scott:

Guess I \*also\* hope someone will speak up about the QTH of the DX! When

I work someone like this, I rush to the list to tell everyone about the guy being on there. Later I try to find out more about his QTH, etc. Seems to me the biggest thing is speed, at that particular moment.

Since the QSO, I have looked through my available paperwork--an ARRL DXCC booklet and a paper logbook--and as far as I can tell, this callsign is for Aruba. Maybe someone else will speak up with more info.

When someone else says they also worked him, I will ask him for more QTH info. Anybody else work P40J?

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 mn-qrp 19 nj-qrp 69 ak/qrp 139

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997

From: mdwatt@usit.net (Marty Watt)

Subject: [19798] Re: DX On \*\*NOW\*\* = P40J

Message-ID: <337dbb87.170837086@smtp.usit.net>

On 17 May 97 08:13:55 EDT, "Wilford D. Lindsey"  
<70511.3041@CompuServe.COM> wrote:

>Scott:

>

>Guess I \*also\* hope someone will speak up about the QTH of the DX! When  
>I work someone like this, I rush to the list to tell everyone about the  
>guy being on there. Later I try to find out more about his QTH, etc.  
>Seems to me the biggest thing is speed, at that particular moment.

>

>Since the QSO, I have looked through my available paperwork--an ARRL  
>DXCC booklet and a paper logbook--and as far as I can tell, this  
>callsign is for Aruba. Maybe someone else will speak up with more info.

>

>When someone else says they also worked him, I will ask him for more  
>QTH info. Anybody else work P40J?

I didn't, but P40J is Aruba, as is the famous contest station P40V which I have worked.

P40J is a vacation home available for rental to amateurs. When I lived in South Florida, this callsign was a fixture on the bands.

Nice catch!

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
~~~~~

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [19767] Re: FS or FT Argo 556 with all band modules, etc.
Message-ID: <3382fd00.122054153@smtp.usit.net>

On Fri, 16 May 1997 15:25:26 GMT, mdwatt@usit.net (Marty Watt)
wrote:

>For Sale or Trade:

The following item is spoken for:

>MFJ 9040 40M CW Transceiver (QRP) for \$100 plus shipping. Covers the
>entire CW portion of 40m, including the novice subband.

The following remain for sale, although I have a tentative buyer for
the handheld:

>Outbacker, Jr. 4 ft. HF Mobile antenna (80-10m) \$140 plus shipping.

>

>Alinco DJ-160T 2m Handheld with carry case, two batteries, and wall
>charger, AEA collapsable antenna (10" closed, end-fed 5/8 when
>extended to 3 ft.), original rubber duck antenna. MARS/CAP
>modified, rx/tx 135-179 MHz. \$160 plus shipping

>

>Sanegean 803 (RS DX-440 label) general coverage receiver with FM
>broadcast, BFO, narrow/wide filter, Scan, 10 memories for \$100 plus
>shipping.

>

>Will trade for:

>

>Alinco DX-70, Kenwood TS-50, Icom IC-706, or similar compact HF rig.

>

>Dual band VHF/UHF mobile rig (no HT's, please) with dual in-band
>receive (VHF/VHF, UHF/UHF, VHF/UHF). Yaesu FT-5100, Alinco DR-610,
>or similar. How about the Alinco, the MFJ, the Outbacker, and the
>Sanegean/RS plus \$100 for the vhf/uhf mobile rig? (a \$600 value?)

>
>Also have for sale or trade:
>
>TenTec Argo 556 with NB and *COMPLETE SET* of *ALL 9* HF band
>modules (160-10m) -- will *not* separate band modules -- for \$650
>plus shipping. Will only trade this item for Alinco DX-70, Kenwood
>TS-50, or similar compact HF radio. Argo plus \$100? (a \$750 value?)
>
>72 es 73 de=20
>Marty, KM7W
>
>-----
>Jackson, Tennessee e-mail: mdwatt@usit.net
> http://www.public.usit.net/mdwatt
> "The Curmudgeon's Corner"
>NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
>-----
>

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997
From: Dale LeDoux <dledoux@laci.net>
Subject: [19770] Re: FS: Cushcraft R7 vertical
Message-ID: <3.0.1.16.19970516104250.2dd740d4@laci.net>

At 10:02 5/16/97 -0500, you wrote:
>> From: Tim H. Ahrens <tahrens1@juno.com>
>> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>> Subject: Re: FS: Cushcraft R7 vertical
>> Date: Thursday, May 15, 1997 12:22 PM
>>
>> >>
>> >>>3 trips to Belize (over 6,000 QSO's have been made with 100
>> >>>countries using this antenna on CW and RTTY).
>>
>> Sounds like it's useful life is almost over... everybody
>> knows that antennas can only support a certain number of
>> qsos.. or perhaps it is the amount of RF that flows through
>> it. (I'm sure someone out there can help me out on this).
>
>6000Q's...That antennas was smokin....
>
>sounds like the only market would be in the northern regions where
>everyone knows that antennas work better when they're cold. Less thermal
>noise, better conductivity. Could probably get another 6000 q's out of
>it in alaska.
>

>I've heard that the antenna can be discharged by stroking a magnet
>across its full length, one for each qso that has passed through it.
>Thats electrical length, so you'll have to get out the log book and sort
>out the number of qso's by band.
>
>Just havin fun...practicing for those FD Bull sessions.
>
>Brian AE9K
>
No, no, no! You guys have it all wrong! If you want to get more life out
of an old antenna, then turn it upside down and feed it from the other end.
This redistributes the electrons pushed to the far end by RF oscillations.

Dale LeDoux - KD5QI
Bath Electrical Systems
Power Systems 480V to 230KV

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997
From: Richard Wilkerson <richqrp@cts.com>
Subject: [19803] Re: Let Him Go Quietly into the Night
Message-ID: <337DCFBF.5C20@cts.com>

John Yarbrough wrote:

>
> About the fellow who was so dissatisfied about this list:
>
> Let him go quietly into the night. Nothing we say will change his mind.
> It's like my ol' daddy used to say: "Never try to teach a pig to sing. You
> won't be able to do it, and all it does is annoy the pig."
>
> Cheers es Beers, John KR4RO

I find these 100+ messages a day very helpful to me, I have learned
quite a bit here and on other lists. The rig and PC are next to each
other so I can read and scan the bands at the same time...Like last
night, someone had worked P40J and I went right to the freq. and he
could not hear me for beans....but I tried!!

72's to all...and to all a good night!! rich
--

Rich Wilkerson, WD6FDD, Santee, Ca.
NorCal, ARCI, ScQRPions, E.C.R.A.

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997
From: mdwatt@usit.net (Marty Watt)
Subject: [19781] Re: Messed that up
Message-ID: <337f509f.143464923@smtp.usit.net>

On Fri, 16 May 1997 22:44:02 -0700, Roger Hightower
<n7kt@dancris.com> wrote:

>Hi Marty,
>
>Got my ups and downs mixed up, :-). Should have said:
>
>"You really can't copunt the length of the rod that is ABOVE the
>slider. The coil is constructed so that the radiating part is only that
>part from the LOWER connection to the slider; not all of it comes into
>play."
>
>I store my coil on the pole upside down, so was looking at it
>backwards. Sri for any confusion.

Actually, I think I'm the one that's confused -- I understood it the first time!

I'm missing some theory here, I think. What you describe is what I thought was happening (i.e., an physically shortened but electrically full 1/4 wave vertical dipole, with the other 1/4 wave at ground in the radials). With the slider all the way to the top, meaning no coil comes into play, the distance from the feedpoint to the start of the top radiator section is 7 ft or so. Only need 8 1/4 ft. for 10m 1/4 wave, and successively longer top radiators will be required (it seems to me, as the coil isn't needed).

Does the portion of the coil (not the rod) above the shorting point radiate? Or the portion below the shorting point? Or is the entire coil electrically active at all times, and the shorting point gives some sort of gamma match?

See, I'm really confused. The instruction sheet and all the notes don't tell me how to find resonance on bands other than 80, 40, and 30, and only suggests a shorter "whip" on top for the higher bands (like 20 and up). On 30 m, the instructions recommend starting adjustments 2" from the top of the coil, which (if my math is right) will be 16-17 turns on the coil and represents around 6 ft. of wire ($2\pi \times r$ is circumference, right?). So, with a 13 ft. top radiator, 6ft. of coil, 1.4 ft. of shorting rod (the part below the slider), and 5 1/2 ft. below the coil to the feedpoint, I get a total electrical length of 25.9 ft, which according to the formulas would

be resonant at 9 MHz. That I can live with.

But when we move to, say, 10m, I need to remove about 17 or 18 ft. I can get 6 ft. by taking the coil out of the picture. I get another 6 by shortening the top radiator. I don't have another 5 ft to remove! Without taking the entire top radiator out completely ...

Maybe I just need to play some more. Some say the top radiating section isn't critical, that the coil does all the work. I just don't see how (electrically) it's possible, for the frequencies requiring very short 1/4 waves.

If I shorten the top radiator 6 ft for 20 and up, it still seems that *any* point on the coil, even the topmost (no coil at all) portion will be too much!

I don't think I'm explaining it well -- I'm trying to equate, in my mind, the theory of dipoles (length decreases with higher frequencies) to verticals, in this case, one that is in fact quite a bit longer than the "formulas" would estimate.

If I used a six-foot top radiator, and 6 ft on the bottom (coil to feedpoint), I'd have 12 ft of radiator -- too short for 20m, perfect for 17, a bit long for 15, and *way* too long for 12 or 10. That's with bypassing the coil altogether. I don't see a reasonable match anywhere in there, and while the TenTec Argo is tolerant of some mismatch, it doesn't like over 2:1.

I know I'm missing some theory somewhere along the line. I guess what I need is some practical advice on achieving resonance on 20-10m, by someone who has done it successfully -- and to discover the configuration that worked for them. It seems the coil only comes into play on 80-30, and actually lengthens the antenna too much on 20-10. I guess I'm seeing the coil as an "adjustable trap", and for some reason it doesn't seem "adjustable ENOUGH" for the higher bands (20-10).

You commented that it isn't really an end-feed, but a center feed, because of the elevated coil. Does that mean that the portion of the antenna below the coil appears as feedline, rather than radiator? That knocks about 5 ft, if true, off the total length. But I don't know enough about how the feedpoints look to understand how it works.

Thanks for the help, BTW. I really am learning a lot, and about my first love, too. Never been much of an electronics buff or builder, but antennas have always fascinated me. I'm an appliance operator

and antenna experimenter at heart, I think.

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [19763] Re: MMA SLV questions
Message-ID: <199705162308.RAA01516@zia.aoc.nrao.edu>

Marty and others,
I have used verticals most of my life due to space restrictions
... well, before moving to New Mexico anyway :-). Currently I
have my SLV/W6MMA vertical next to the shack and my 2-element
phased array. I ain't no antenna expert, but I will tell you
this: on verticals, get your feedpoint a bit above ground and
USE SOME RADIALS. Period. I don't mean an array of 180 radials
buried 1 foot deep. 4 radials minimum, in my opinion, is the
absolute minimum to establish some sorta RF ground for a vertical.

At our Area 51 QRP TTF thingie, I put up my SLV with Vern's coil
arrangement, and 6 radials. Each radial consisted of 4 strands of
ribbon cable cut 1/4 wavelength for 40M (33 feet). Two of the
wires were cut for 20M 1/4wl. By cut, I mean I simply cut out
about a two inch piece in the ribbon cable, so there's a gap at
1/4wl for 20M. The antenna loads up with good SWR (1.5:1 or
better) on both 40M and 20M. For 20M, I do shorten the radiating
element a bit.

So if at all possible, use at least 4 radials cut to be 1/4 wave
length on the lowest band you plan on using, and raise the feed
point above ground a bit. Of course on the later, the SLV already
does that part.

GL, Paul NA5N

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997
From: mdwatt@usit.net (Marty Watt)

Subject: [19766] Re: MMA SLV questions
Message-ID: <337de993.117080930@smtp.usit.net>

On Fri, 16 May 1997 15:58:05 -0700, Roger Hightower
<n7kt@dancris.com> wrote:

>Don't make a simple antenna difficult. Use the radials as in the
>instruction sheet.

>

>I used the SLV/W6MMA during QTTF on 20 and 40 meters with fine results.=20
>All I had to do was readjust the slider when changing bands, and the SWR
>was always 1.2:1 or better, according to my MFJ-259. I didn't even
>bother changing the radiator.

OK -- the answers I'm getting are similar -- just use the radials as
specified. Interestingly, no one has addressed operation on 17 and
higher with this antenna.

I'm curious though -- on 17m and higher, it seems that even the
radiator height (without the coil) is more than 1/4 wave, unless
the radiator is changed (which is, of course, what the instructions
specify). Seems that above 30m (20m-10m), the coil isn't needed,
and the single radiating element must be tuned for each band.

Is that the design? (1/4 wave at 20m is appx. 16.5ft) Even with
the coil completely bypassed, it would seem too (electrically) long
with the standard radiator.

I'm still learning stuff. I want to understand the theory involved
(not the math per se, but the conceptual stuff) before I put it
together, so I don't do it wrong. I do plan on using it for all
bands, and attempting to do so without a tuner.

I've never used a vertical before, so the only "theory of operation
and length" I can compare to is a dipole. And, electrically, the
W6MMA SLV has parts that don't make sense to me in places, at least
not with a single radiator for the higher bands (particularly 15m
and up).

The coil physically shortens the antenna, while maintaining the
appropriate electrical length. In this instance, the full coil
appears to mimic 50 electrical ft (full coil in use) to 1 1/2
electrical ft (use only the slider and full shorting rod) Which
sounds fine -- 5 1/5 to 6 ft. from the feed point to the coil, plus
1 1/2 ft of brass rod, gives a minimum ht (without any radiator) of
7 to 7 1/2 ft. This would mean, with the coil offline (using only
the 18 in of slider on the coil), that the radiator lengths on top
would need to vary from 3/4 ft for 10m, 2 3/8ft for 12, 4 ft. for

15, and 5 3/8 ft for 17m. I guess you could use no top radiator, and invoke the coil to lengthen the antenna from 20-10m.

I'm sure I'm just confused ... but the help is appreciated. I have learned that an end-fed halfwave doesn't work too well -- the impedance is very high. Someone else had a question about that, and had no radials in use. I suspect this is what they had, in effect -- a half wave end-fed. Which gave them 200 ohms.

I like to formulate a "hypothesis" or "expected values" before I start tinkering ... this conversation helps.

72 es 73 de=20
Marty, KM7W

Jackson, Tennessee e-mail: mdwatt@usit.net
http://www.public.usit.net/mdwatt
"The Curmudgeon's Corner"
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq
~~~~~

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: n4js@amsat.org  
Subject: [19783] RE: MMA SLV questions  
Message-ID: <XFMail.970517044232.n4js@amsat.org>

On 16-May-97 Marty Watt expounded:

>  
>Vern's instruction sheet specifies appx. 13 ft (+/- 1ft) for 80,  
>40, and 30m. Makes perfect sense, puts the top of the coil at 7'  
>above the base. at 30m, a 1/4 wave is 23 ft, the appx. 20 ft pole  
>length plus a little bit of coil in line.  
>  
>15, 17 and 20 m are specified at 6.5 ft, (+/- 0.5ft). I'm assuming  
>this is making an end-fed half wave on those frequencies, still  
>using the coil for the tuning on the bands?

Now I'M confused. I never received an instruction sheet with my 40-10M coil. I have been "winging it" with the radiator length. The basic hookup is well covered on the web page and the latest QRPp, but never saw specific lengths for top radiator mentioned.

Sent at 04:41:46 on 17-May-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
- \_ \_ \_ \_ \_  
| \ | | | | \_ | | / \_ | n4js@n4js.ampr.org NJ Grid:FM29LN

| .` ||\_ \_|| || |\\_\_ \           http://www.qsl.net/n4js  
|\_| \\_| | | \\_/\_/ |\_\_\_/ NJ-QRP #57 QRP-L #884 QRP-ARCI #9328  
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243  
WIMPS Qs=017 30m=15 17m=2 12m=0 States=05/02/00 Countries=09/00/00

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [19799] Re: MMA SLV questions  
Message-ID: <337ebc45.171026574@smtp.usit.net>

On Sat, 17 May 1997 04:37:37 -0400 (EDT), n4js@amsat.org wrote:

>On 16-May-97 Marty Watt expounded:

>>

>>Vern's instruction sheet specifies appx. 13 ft (+/- 1ft) for 80,  
>>40, and 30m. Makes perfect sense, puts the top of the coil at 7'  
>>above the base. at 30m, a 1/4 wave is 23 ft, the appx. 20 ft pole  
>>length plus a little bit of coil in line.

>>

>>15, 17 and 20 m are specified at 6.5 ft, (+/- 0.5ft). I'm assuming  
>>this is making an end-fed half wave on those frequencies, still  
>>using the coil for the tuning on the bands?

>

>Now I'M confused. I never received an instruction sheet with my 40-10M =  
coil. I

>have been "winging it" with the radiator length. The basic hookup is =  
well

>covered on the web page and the latest QRPP, but never saw specific =  
lengths for

>top radiator mentioned.=20

The note on the instruction sheet I have (80-10m version) has  
written on it:

(line pointing to top radiator)

wire to top of pole about 12'-14' for 80-40-30 meters

use 8ft for 20 meters

use 5'-6' for 15-17 meters

for 12m maybe shorter

The tuning instructions on the coil (under the words "Tune Up") say:

75 m about 3 or 4 (copy ran off the edge)

from bottom of coi=20

40m about 6" from=20

30m about 2" from

There also is a duplicate of Paul's drawing (the one in QRPP and on the NorCal web page), with a handwritten note:

12' wire 80, 40, 30m  
6-7' wire 20m and up

S00000...

I'm trying to see this antenna probably incorrectly, but if I have 5 1/2 ft. from the feed to the coil, and 17" of coil shorting rod (no coil active, just the rod connecting the lower and upper sections of radiator), and 6' of wire above the coil, I have a total of 13 ft. of wire up in the air, active. And that is too long for 17m and up, even if the entire coil is bypassed. I have no way to tune for "close to resonance" other than adjusting the top radiator length for each band above 20m, and bypass the coil altogether. And that seems to defeat the "multi-band" idea of the antenna -- but perhaps is what has to be done.

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee e-mail: mdwatt@usit.net  
http://www.public.usit.net/mdwatt  
"The Curmudgeon's Corner"  
NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
-----

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Stan <stan@cruzio.com>  
Subject: [19809] Re: Need Tower Installation Advice  
Message-ID: <337DFB0B.32D3@cruzio.com>

Bill Jones wrote:

>  
> Friends,  
>  
> After forty-two years of ham radio I finally got my first tower. It is used  
> and consists of seven, 6-foot sections. It is triangular, made of aluminum  
> and measures approximately eleven inches per side. I intend to mount it  
> next to my single-story house with the first section bracketed to the eaves.  
> I will run a pair of guys to each adjacent corner of the roof and a single  
> set of guys to an 8-foot 4X4 on the back side of the yard. Although I'm not  
> sure exactly what kind of antenna will eventually end up on the tower, (open

```

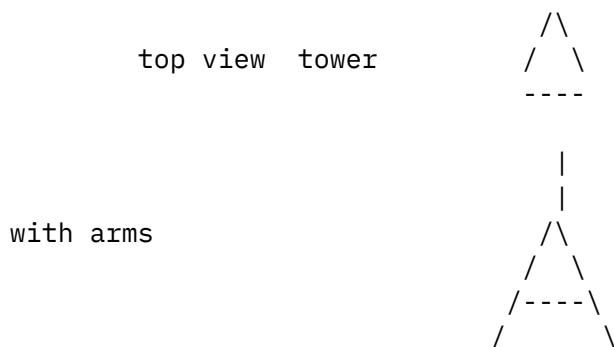
> to suggestions) I'm leaning toward a small tri-bander (does Mosley still
> make the TA-33 Jr?) or a 20-meter X-BEAM. My question is how many sets of
> guys should I use above the roofline. Also, how big should I make a
> concrete base to support the hinged baseplate? We don't get any ice or snow
> in the winter (this *is* central California, you know) and we rarely get any
> high winds. Safety is my paramount concern followed closely by economy.
> Any advice from you tower experts out there would be sincerely appreciated.
> =====
> Bill Jones - KD7S <><
> Sanger, California
> Reply to kd7s@psnw.com
> =====
>
> .-

```

Hi Bill, The best bet if, possible is to find out from the manufacturer what the tower is engineered to do.

One consideration for a tower is the inertial ( or twisting ) moment that occurs when the rotator starts and stops. The longer the elements and boom , the greater the inertial moment.

One way to reduce this stress is by the use of "arms " that are attached to the tower top where the guy wires are attached .



Make sure the eaves that you bolt to are substantial , I've heard of them failing. Usually a brace is attached to 3 or more eaves to spread the load is used.

I don't think the base will require much. In your case, it's main jobs are to (1) keep the antenna form sinking and (2) keep the bottom of the tower from slipping out. Probably a 2 foot cube would be plenty. But agin the manufacturers spec sheet would be the guide to follow.

Can't offer advice on how many guys to use, since I've no experience

with aluminum towers.

I don't think that the the ta33 Jr is still being sold, but perhaps you can consider a 2 element quad. They are generally much less wind load , weight and element lengths. A typical tribanders' elements are in the 40 foot range compared to a similiar performing quad which would be 20 feet. Also 5 band quads are quite practical and can be turned with a tv type rotator.

Good luck , watch out for power wires ..

Stan , N6XU

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: DYARNES@aol.com  
Subject: [19790] Re: No Subject  
Message-ID: <970517085910\_-1666597881@emout02.mail.aol.com>

Let me help you find the door sir! Address an e-mail message to "listserv@lehigh.edu". No subject line required unless your browser requires it. In the body of the message put "unsubscribe qrp-l@lehigh.edu". That should do it.

Sorry you didn't have any fun. Sounds like your sense of humor is a little low too. Not much has been happening lately because of Dayton, but usually there is great stuff on here. As with just about any place on the internet, we have to put up with some junk, but that's what the delete key is for.

I have to add one thing though. You complain about how YOU were not well served by this list. Lest you forget, these things are a two way street since nobody is paid to entertain you. This list is free and requires BOTH input and output. I just don't seem to recall seeing anything beneficial being provided TO the group with your name on it. So I guess that means you didn't have anything of value to offer to the group. You just thought you would stop by and suck up a bunch of stuff for free, and complain like hell if you didn't get what you came for, right? Feel free to correct me if I am wrong.

Good Luck!

72 de David W7AQK

P.S. You probably didn't stick around long enough to even know what "72" means. That is QRP shorthand equivalent to "73", so don't be offended.

D.

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: ed.welch@cheaha.com (ED WELCH)  
Subject: [19768] Re: qrp-l comraderee, etc.  
Message-ID: <8D7F480.0004002EF3.uuout@cheaha.com>

-> >not alone either. This is the greatest thrill to me; making a QSO  
-> with >members of this list. I don't have any real interest in DX  
-> although

-> The Qrp-L comaraderie has no equal.:-)

I started communicating by computer about 6 years ago when the Internet was really only "something you heard people speak of". I've gradually moved into the Internet and email, previously using private nets. After seeing what goes on in "conferences" in the private nets and in the newsgroups finding this list was like walking into paradise. Good people doing good things for other people....people actually wanting to help others. A very obvious lack of flaming, sharp comments, and sarcasm.

A remarkable list with remarkable folks.

As the indian said as he sat on the banks of the Amazon River a thousand miles into the jungle, roasting a monkey that he killed with a poison arrow over an open fire....it don't get no better than this!

Can't remember who I stole that little line from, but probably somebody on this list! :)

Take care, friends.

72/73

Ed Welch KF4KRV

NorCal Member #??? / 1st Grand Poobah ScQRPion of Alabama

QRP-L #873 / FISTS #2964

Luverne, Alabama : Crenshaw County - Grid EM61

PIPELINE BUNGY, Skippers Canyon, NZ

AAAALLLRRRIIIIIIGGGHHHHHTTTTTTTTT!!!!!!

```
+-----+
-----+ Norcal 40a es Straight Key es Wire-wrapped Trees +-----
+-----+
                > Isn't "time" a 4-letter word? <
```

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Richard Wilkerson <richqrp@cts.com>  
Subject: [19769] Re: qrp-l comraderee, etc.  
Message-ID: <337D1844.6166@cts.com>

ED WELCH wrote:

>  
> -> >not alone either. This is the greatest thrill to me; making a QSO  
> -> with >members of this list. I don't have any real interest in DX  
> -> although  
>  
> -> The Qrp-L comaraderie has no equal.:-)  
>

\*\*\*\*\*

Yes I also agree. About 2 yrs. ago I also replied to a CQ by one of  
"ours". N6WG, Bob, was calling CQ qrp-l and we hit it off. Bob is  
still the only qrp-l member that I have worked as a member, of coarse  
this does not included all the members I have worked during contests.  
72's.....rich

---

Rich Wilkerson, WD6FDD, Santee, Ca.  
NorCal, ARCI, ScQRPions, E.C.R.A.

From owner-qrp-l@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Richard Wilkerson <richqrp@cts.com>  
Subject: [19772] Re: qrp-l comraderee, etc.  
Message-ID: <337D1F09.7B80@cts.com>

T. PETTIBONE wrote:

>  
> Rich:  
>  
> Well it may have been a contest but we worked twice on July 27, 1996 on  
> 40m. I think we may have also worked on 2 meters on one of my treks out  
> to kids and grandkids in North San Diego County.  
>  
> Tim K5OI (ex AB5OU)  
> QRP-L # 73

\*\*\*\*\*

Well leave me all red faced!!!!!!!!!!!!!!  
Hello Tim.. I forgot all about that trip you took down here. Thats  
right we worked CW while you were driving here from NM. I think??  
And yes we even worked 2 mtrs. that same day.... Forgive me Tim for  
forgetting.....maybe I'm getting old?????????



72's to all.....rich

--

Rich Wilkerson, WD6FDD, Santee, Ca.  
NorCal, ARCI, ScQRPions, E.C.R.A.

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [19764] Re: SLV w/MMA question

From: Jay & Jackie <jayboy@psnw.com>  
Subject: [19733] SLV w/MMA question  
Message-ID: <3.0.1.32.19970516063316.006ab790@mail.psnw.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>...and did not put any radials on yet...

Hi Jay, you need the coax braid connected to a ground plane like it is in a mobile. Without a ground plane (radials in the case of the SLV) you only have half an antenna. What kind of SWR can you expect with half an antenna? Try your hamstick without the car to find out.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Sat May 17 18:03:51 1997  
From: Bob Liesenfeld <wb0poq@visi.com>  
Subject: [19797] Re: swr problems with tvi filter  
Message-ID: <337DBE74.54B764DA@visi.com>

Scott Bauer wrote:

>  
> Hello Group,  
>  
> I wonder if anyone can help me with this one ??  
> I have been having some SWR problems with my antenna and through  
> the process of elimination, I have noticed that my B&W TVI filter  
> raises my SWR on 30 and 40 meters with no change on 20, 17, 15, ect.  
> When I bypass the filter, I have 1 to 1 SWR on 30 and 40. With the  
> filter in line, I get 1.5 to 1 SWR that spikes very rapidly to a much  
> higher reading. This is very confusing to me as there is no noticable  
> difference on the higher bands.  
> The antenna is a Mosley vertical with 32 radials on the roof of my

> house.  
> Any ideas will be very helpful.

Sounds to me like on these bands the TX has lots of harmonics and or spurs along with the fundamental. Another possibility is that the final stage has a stability problem when terminated with the filter/ant combo. Try putting a dummy load on the output of the filter in place of the antenna. See if the SWR improves. What kind of TX are you using?

72  
Bob WB0POQ

--  
Genuine E-mail From the Land of the Everlasting Icicle...  
Bob Liesenfeld  
wb0poq@visi.com